

**(WO/2002/054435) INNER MAGNETIC SHIELDING MATERIAL AND METHOD FOR PRODUCTION THEREOF**

Biblio. Data	Description	Claims	National Phase	Notices	Documents
--------------	-------------	--------	----------------	---------	-----------

Latest bibliographic data on file with the International Bureau

Publication Number: WO/2002/054435 **International Application No.:** PCT/JP2000/009376
Publication Date: 11.07.2002 **International Filing Date:** 28.12.2000
Chapter 2 Demand Filed: 15.05.2002

Int. Class.: C21D 8/02 (2006.01), C21D 8/04 (2006.01), C21D 8/12 (2006.01), H01J 29/00 (2006.01), H01J 29/06 (2006.01), H05K 9/00 (2006.01)

Applicants: SUMITOMO METAL STEEL PRODUCTS INC. [JP/JP]; 1-21, Fusocho Amagasaki-shi Hyogo 660-0891 (JP) (*All Except US*).
YAMANAKA, Yoshikazu [JP/JP]; 1-2-405, Shiroyamadai 3-cho Sakai-shi Osaka 590-0137 (JP) (*US Only*).
TSUNEMATSU, Shouichi [JP/JP]; 6098-9, Hakonoura Hannan-shi Osaka 599-0235 (JP) (*US Only*).
MATSUO, Sachio [JP/JP]; 12-8, Midorigaoka 1-chome Takatsuki-shi Osaka 569-1026 (JP) (*US Only*).
SAKAMOTO, Hisao [JP/JP]; 1-2-8, Denen Gojo-shi Nara 637-0093 (JP) (*US Only*).
KOBAYASHI, Kenichiro [JP/JP]; 41-31, Nishinouchicho Kishiwada-shi Osaka 596-0044 (JP) (*US Only*).

Inventors: YAMANAKA, Yoshikazu [JP/JP]; 1-2-405, Shiroyamadai 3-cho Sakai-shi Osaka 590-0137 (JP).
TSUNEMATSU, Shouichi [JP/JP]; 6098-9, Hakonoura Hannan-shi Osaka 599-0235 (JP).
MATSUO, Sachio [JP/JP]; 12-8, Midorigaoka 1-chome Takatsuki-shi Osaka 569-1026 (JP).
SAKAMOTO, Hisao [JP/JP]; 1-2-8, Denen Gojo-shi Nara 637-0093 (JP).
KOBAYASHI, Kenichiro [JP/JP]; 41-31, Nishinouchicho Kishiwada-shi Osaka 596-0044 (JP).

Agent: HIROSE, Shoichi; Tozan Building 4-2, Nihonbashi-Honcho 4-chome Chuo-ku Tokyo 103-0023 (JP).

Title: INNER MAGNETIC SHIELDING MATERIAL AND METHOD FOR PRODUCTION THEREOF

Abstract: An inner magnetic shielding material, characterized as comprising a cold rolled steel sheet having a surface roughness of 0.2 to 3 $\mu\text{g(m) mRa}$ and, formed at least one surface thereof, an organic resin coating film comprising C and H, or C, H and O, or C, H, O and N and having a thickness of 0.3 to 5 $\mu\text{g(m) m}$; and a method for producing the inner magnetic shielding material which comprises a step of annealing a cold-rolled steel sheet, a step of adjusting a surface roughness of the annealed steel sheet to a value of 0.2 to 3 $\mu\text{g(m) mRa}$, a step of forming an organic resin coating film comprising C and H, or C, H and O, or C, H, O and N and having a thickness of 0.3 to 5 $\mu\text{g(m) m}$ at least one surface of the cold rolled steel sheet. The inner magnetic shielding material has good resistance to rust and good degreasing and cleaning properties, is free from the danger of generating a corrosive gas, and also has good press formability.

Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
African Regional Intellectual Property Org. (ARIPO) (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW)
Eurasian Patent Organization (EAPO) (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)
European Patent Office (EPO) (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR)
African Intellectual Property Organization (OAPI) (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Publication Language: Japanese (JA)
Filing Language: Japanese (JA)

